

|   | Document ID        | Issue Date | Title  | Current OR | Current XRef   |
|---|--------------------|------------|--|------------|--|
| 1 | US 5892919 A       | 19990406   | Spell checking universal resource locator (URL) by comparing the URL against a cache containing entries relating incorrect URLs submitted by users to corresponding correct URLs                                 | 709/228    | 709/245;<br>715/533  |
| 2 | US 6092100 A       | 20000718   | Method for intelligently resolving entry of an incorrect uniform resource locator (URL)  | 709/203    | 709/227  |
| 3 | US 5907680 A       | 19990525   | Client-side, server-side and collaborative spell check of URL's  | 709/228    | 715/533  |
| 4 | US 6092100 A       | 20000718   | Preferred uniform resource locator detection in client server network, involves outputting list of IP server addresses matching with unrecognized character string, for connecting IP client to one of IP server |            |  |
| 5 | US 6338082 B1      | 20020108   | Method, product, and apparatus for requesting a network resource   | 709/203    | 709/217  |
| 6 | US 5884032 A       | 19990316   | System for coordinating communications via customer contact channel changing system using call centre for setting up the call between customer and an available help agent                                       | 709/204    | 370/356;<br>379/209.01;<br>379/216.01;<br>379/265.09;<br>709/206;<br>709/227 |
| 7 | US 20030037 077 A1 | 20030220   | Spelling correction system and method for phrasal strings using dictionary   | 715/533    |  |
| 8 | US 6085206 A       | 20000704   | Method and system for verifying accuracy of spelling and grammatical composition of a document   | 715/533    | 345/808;<br>715/531  |
| 9 | US 5832480 A       | 19981103   | Using canonical forms to develop a dictionary of names in a text   | 707/5      | 704/10;<br>704/2;<br>704/8;<br>704/9;<br>707/1;<br>715/532;<br>715/536       |

|   | Inventor                           |
|---|------------------------------------|
| 1 | Nielsen, Jakob                     |
| 2 | Berstis, Viktors et al.            |
| 3 | Nielsen, Jakob                     |
| 4 | BERSTIS, V et al.                  |
| 5 | Schneider, Eric                    |
| 6 | Bateman, Thomas<br>Howard et al.   |
| 7 | Brill, Eric D. et al.              |
| 8 | Domini, Maria-Nancy<br>A. et al.   |
| 9 | Byrd, Jr., Roy<br>Jefferson et al. |

| L Number | Hits | Search Text   | DB  | Time stamp       |
|----------|------|---|---|------------------|
| -        | 6    | ("5892919" "5907680" "6092100").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 12:42 |
| -        | 22   | (spell adj check\$4) with (URL IP)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:51 |
| -        | 4    | ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 12:44 |
| -        | 5349 | (709/200,203).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:46 |
| -        | 4126 | (707/3).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:46 |
| -        | 0    | (395/200.57,200.58).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:49 |
| -        | 0    | (395/200.57).CCLS.  | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:49 |
| -        | 0    | (395/200).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:52 |
| -        | 420  | (715/533,536).CCLS.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:55 |
| -        | 0    | ("0005&21").PN.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:55 |
| -        | 2    | ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:56 |
| -        | 2    | ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:57 |
| -        | 2    | ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:58 |
| -        | 0    | ((709/200,203).CCLS.) & ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)                                     | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:58 |
| -        | 0    | ((707/3).CCLS.) & ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)   | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:58 |
| -        | 0    | ((707/3).CCLS.) & ((spell adj check\$4) with (URL IP))  | USPAT;<br>US-PGPUB                                      | 2004/08/22 12:58 |
| -        | 3    | ((709/200,203).CCLS.) & ((spell adj check\$4) with (URL IP))  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:01 |
| -        | 2    | (( ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)) & (error\$1)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:10 |
| -        | 357  | ip adj client   | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:12 |
| -        | 0    | (( (( ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)) & (error\$1)) & (ip adj client)                      | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:11 |
| -        | 2    | (( (( ((("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4) with (URL IP))) & ((715/533,536).CCLS.) & (string character\$1) & (typ\$4)) & (error\$1)) & ((spell adj check\$4) with (URL IP)) | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:11 |
| -        | 18   | (internet adj protocol) adj client  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:49 |
| -        | 0    | ((internet adj protocol) adj client) & ((715/533,536).CCLS.)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:13 |
| -        | 1    | 6668286.pn.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:16 |

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|---|----|---|---|------------------|
| - | 0  | 20040059841.URPN.   | USPAT   | 2004/08/22 13:16 |
| - | 0  | 20040059841.URPN.   | USPAT   | 2004/08/22 13:16 |
| - | 1  | 5884032.pn.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:16 |
| - | 0  | ((internet adj protocol) adj client) & (punctuat\$4)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:49 |
| - | 73 | ((715/533,536).CCLS.) & (punctuat\$4)   | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:50 |
| - | 0  | ((((715/533,536).CCLS.) & (punctuat\$4)) & ((<br>("5892919" "5907680" "6092100").PN.) & ((spell adj check\$4)<br>with (URL IP))) & ((715/533,536).CCLS.)) & (string<br>character\$1)) | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:51 |
| - | 0  | ((((715/533,536).CCLS.) & (punctuat\$4)) & ((internet adj<br>protocol) adj client)  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:50 |
| - | 6  | (US-6092100-\$ or US-5907680-\$ or US-5892919-\$ or<br>US-6338082-\$ or US-5884032-\$).did. or (US-6092100-\$).did.   | USPAT;<br>DERWENT                                       | 2004/08/22 13:50 |
| - | 0  | ((((715/533,536).CCLS.) & (punctuat\$4)) & ((US-6092100-\$ or<br>US-5907680-\$ or US-5892919-\$ or US-6338082-\$ or<br>US-5884032-\$).did. or (US-6092100-\$).did.))                  | USPAT;<br>US-PGPUB                                      | 2004/08/22 13:50 |
| - | 0  | ((((715/533,536).CCLS.) & (punctuat\$4)) & ((spell adj check\$4)<br>with (URL IP)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:05 |
| - | 23 | ((((715/533,536).CCLS.) & (punctuat\$4)) & (spell adj check\$4)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:52 |
| - | 0  | (((((715/533,536).CCLS.) & (punctuat\$4)) & (spell adj check\$4)<br>) & url   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:52 |
| - | 21 | ((((715/533,536).CCLS.) & (punctuat\$4)) & (internet)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:52 |
| - | 2  | (((((715/533,536).CCLS.) & (punctuat\$4)) & (internet) ) &<br>protocol  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:54 |
| - | 0  | 20030014450.URPN.   | USPAT   | 2004/08/22 13:53 |
| - | 14 | (((((715/533,536).CCLS.) & (punctuat\$4)) & (internet) ) & error  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:55 |
| - | 8  | ( (((715/533,536).CCLS.) & (punctuat\$4)) & (internet) ) &<br>error) and spell  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:58 |
| - | 0  | ( ( (((715/533,536).CCLS.) & (punctuat\$4)) & (internet) ) &<br>error) and spell ) & www  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 13:58 |
| - | 2  | ( ( (((715/533,536).CCLS.) & (punctuat\$4)) & (internet) ) &<br>error) and spell ) & web  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:04 |

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| - | 108011 | xerox.as.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:05 |
| - | 0      | xerox.as. & ((spell adj check\$4) with (URL IP))                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:05 |
| - | 3      | (xerox.as. & (spell adj check\$4)) & URL  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:07 |
| - | 0      | (xerox.as. & (spell adj check\$4)) & (((internet adj protocol) IP) with client) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:08 |
| - | 6      | (xerox.as. & (spell adj check\$4)) & ((internet adj protocol) IP)               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:09 |
| - | 49     | xerox.as. & (spell adj check\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/08/22 14:10 |
| - | 1      | 6009459.pn.   | USPAT;<br>US-PGPUB                                      | 2004/08/22 14:24 |